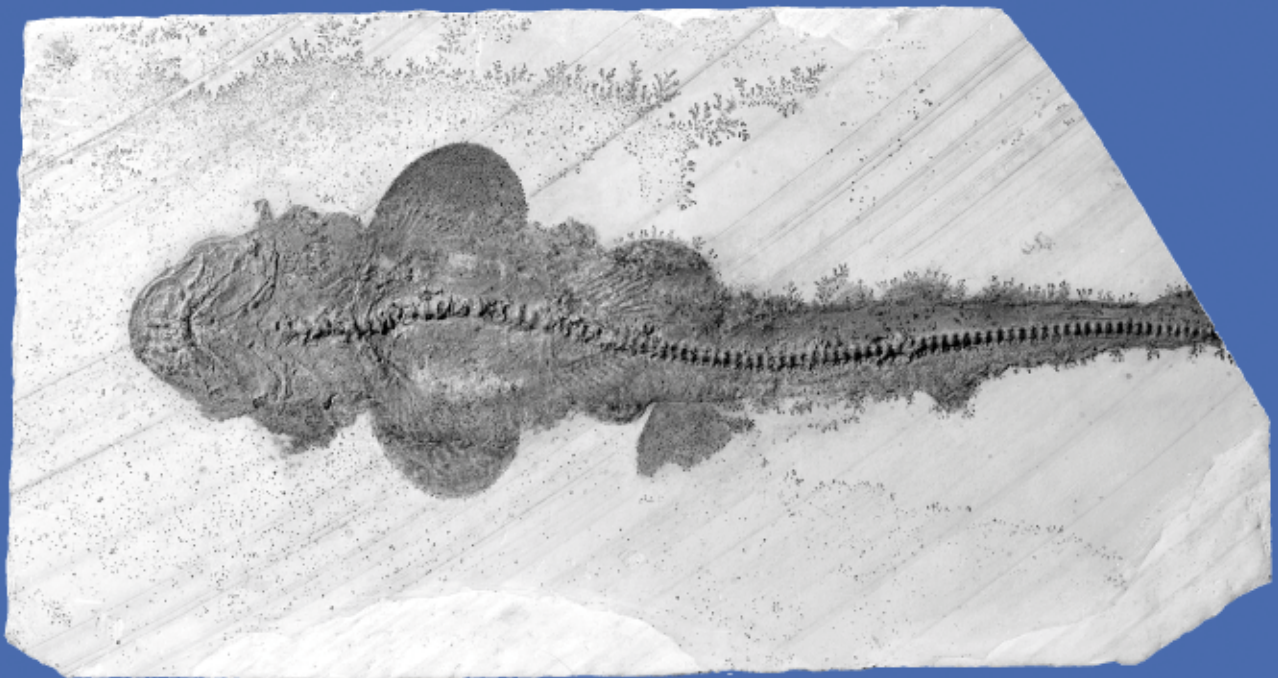


Zitteliana

An International Journal
of Palaeontology and Geobiology

Series A/Reihe A
Mitteilungen der Bayerischen Staatssammlung
für Paläontologie und Geologie

44



München 2004

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EDITORIAL NOTE

As of in 2003, the journal *Zitteliana* is published in two series.

Series A: Mitteilungen der Bayerischen Staatssammlung für Paläontologie und Geologie (ISSN 1612-412X) replaces the former „Mitteilungen der Bayerischen Staatssammlung für Paläontologie und historische Geologie“ (ISSN 0077-2070). The numbering of issues is continued (last published: Heft 43, 2003).

Series B: Abhandlungen der Bayerischen Staatssammlung für Paläontologie und Geologie (ISSN 1612-4138) continues the previous „Zitteliana – Abhandlungen der Bayerischen Staatssammlung für Paläontologie und historische Geologie“ (ISSN 0373-9627).

Instructions for authors are included at the end of this volume.

HINWEIS DES HERAUSGEBERS

Vom Jahr 2003 an erscheint die Zeitschrift *Zitteliana* in zwei Reihen.

Die *Reihe A: Mitteilungen der Bayerischen Staatssammlung für Paläontologie und Geologie* (ISSN 1612-412X) ersetzt die bisherigen „Mitteilungen der Bayerischen Staatssammlung für Paläontologie und historische Geologie“ (ISSN 0077-2070). Die Bandzählung (zuletzt erschienen: Heft 43, 2003) wird fortgesetzt.

Die *Reihe B: Abhandlungen der Bayerischen Staatssammlung für Paläontologie und Geologie* (ISSN 1612-4138) führt die bisherige „Zitteliana – Abhandlungen der Bayerischen Staatssammlung für Paläontologie und historische Geologie“ (ISSN 0373-9627) fort.

Hinweise für Autoren beider Reihen sind am Ende dieses Bandes enthalten.

Editors-in-Chief/Herausgeber: Reinhold Leinfelder, Michael Krings

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Bayerische Staatssammlung für Paläontologie und Geologie

Richard-Wagner-Str. 10, D-80333 München, Deutschland

<http://www.palaeo.de/zitteliana>

email: zitteliana@lrz.uni-muenchen.de

Für den Inhalt der Arbeiten sind die Autoren allein verantwortlich.

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Cover illustration: *Phorcynis catulina* THIOLLIÈRE, 1854 (BSP 1990 XVIII 51) from the lower Tithonian of Zandt / Denkendorf (Bavaria), ventral view, 25 cm. Photograph: G. JANßEN (LMU München, Department für Geo- und Umweltwissenschaften, Sektion Paläontologie)

Umschlagbild: *Phorcynis catulina* THIOLLIÈRE, 1854 (BSP 1990 XVIII 51) aus dem unteren Tithon von Zandt / Denkendorf (Bayern), Ventralansicht, 25 cm. Foto: G. JANßEN (LMU München, Department für Geo- und Umweltwissenschaften, Sektion Paläontologie)

Editorial

The journal series *Zitteliana* and its forerunners, the “*Mitteilungen der Bayerischen Staatssammlung für Paläontologie und historische Geologie*” (now *Zitteliana A*) and “*Zitteliana – Abhandlungen der der Bayerischen Staatssammlung für Paläontologie und historische Geologie*” (now *Zitteliana B*), are looking back to a tradition of more than 40 years. With both journals published by the Bavarian State Collection of Palaeontology and Geology (formerly Bavarian State Collection of Palaeontology and Historical Geology), palaeontology at Munich has been, and continues to be, positioned and represented well within the geoscientific community. Initially reserved for publications focusing on materials deposited in our own collections or topics related to the geology and palaeontology of Bavaria and adjacent regions, the scientific spectrum of the journal has grown continuously broader through the large and diverse array of papers submitted by researchers and guests at the State Collection, as well as by others who have contributed to palaeontology and regional geology in a way that was relevant for the research focus in Munich. Today, *Zitteliana* is still widening its scientific and international focus towards new areas and perspectives in palaeontology and related sciences, and hence welcomes the submission of manuscripts on palaeobiology, numerical palaeontology, palaeobiogeography, palaeoceanography, biosedimentology, multiproxy and sequential stratigraphy, biodiversity research, geobiology, and actupalaeontology, as well as contributions to its traditionally well-represented topics in palaeontological taxonomy, systematics, phylogeny, and regional geology. This broad scope stands in accordance with the research philosophy of one of the fathers of palaeontology at Munich, Karl Alfred VON ZITTEL (1839–1904), whose renowned name emblazons the journal. VON ZITTEL, the head of Palaeontology at Munich 1866–1904, worked with both a Bavarian and international perspective. His fundamental works comprise an enormous array of topics, ranging from detailed studies on various invertebrate groups to broader aspects of regional geology and earth history, and thus establishes the roadmap and challenge of the wide thematic focus of *Zitteliana*.

At the end of 2003, Kurt HEISSIG and Winfried WERNER retired from the time-consuming function as editors-in-chief of *Zitteliana*. This change of editors provides the opportunity to acknowledge with thanks the comprehensive and extensive work of the former editors, and give respectful attention to the history of our journals. Former editors-in-chief comprise Richard DEHM, Dietrich HERM, Peter WELLNHOFFER, Kurt HEISSIG (for the “*Mitteilungen*”, now *Zitteliana A*), and Winfried WERNER (for “*Zitteliana*”, now *Zitteliana B*). Peter WELLNHOFFER has held the position as editor-in-chief for both journals for more than 20 years, Kurt HEISSIG and Winfried WERNER for ten years; all have strongly supported and furthered the development of both journals. We are proud to assume and continue this tradition.

In 1961, the first volume of the “*Mitteilungen*” was published under the editorship of the former head of palaeontology at Munich, Richard DEHM. Again under the auspices of DEHM, the first volume of “*Zitteliana*” was published in 1969. Highlights from early volumes include fundamental studies, such as the osteology of *Compsognathus longipes* by John H. OSTROM, Jurassic pectinids by Andrew L. A. JOHNSON, alpine foraminifera from the Lower Cretaceous by Konrad WEIDICH, and marine Pliocene and Pleistocene sediments and molluscs from Chile by Dietrich HERM. Moreover, several special volumes, including „The Ecology, Taphonomy, and Paleoecology of Recent and Pleistocene Molluscan Faunas of Bahía la Choya, Northern Gulf of California“ (edited by F. T. FÜRSICH and K. W. FLESSA), and symposium proceedings, e.g., for the “2nd Symposium on the Cretaceous”, have been published within our journals. Both journals have enriched scientific libraries and institutions. Today we have 422 exchange partners from all over the world, which represents a great benefit to everybody who uses the impressive palaeontological library at Munich, and we are confident that our collection partners appreciate having *Zitteliana* at their disposal.

In 2003, the former “*Mitteilungen der Bayerischen Staatssammlung für Paläontologie und historische Geologie*” was merged with “*Zitteliana – Abhandlungen der der Bayerischen Staatssammlung für Paläontologie und historische Geologie*” for technical reasons, and now two series of the journal *Zitteliana* are published. The series *Zitteliana A* replaces, to some extent, the former “*Mitteilungen*”, and continues to publish original articles, review papers, short communications, and methodological notes on the topics listed above. *Zitteliana A* is published annually, and, from the next volume onward, publication is projected for fall every year. The series *Zitteliana B* replaces the former “*Zitteliana proper*”, and is open to more extensive works, such as condensed versions of Ph.D. theses or thematic monographs, and also thematical issues or conference proceedings, which may be published under the auspices of guest-editors.

For several years, *Zitteliana A*, *Zitteliana B*, and their respective forerunner journals have been subject to a peer review process. We will optimize the peer review system and are glad to announce that, starting with the next volume of *Zitteliana A*, a group of renowned national and international geoscientists have accepted our request to function as co-editors. A second step towards a greater impact of our journal is that titles and abstracts will be made available online under www.palaeo.de/zitteliana. We hope that you enjoy the present volume and look forward to others to come. We are grateful to the authors, reviewers, former editors, technical staff, and our readership for their strong support and loyalty to the journal. It is your journal, and we are looking forward to receiving your research results for consideration.